

Title (en)

MIXING DEVICE WITH A ROTATING NOZZLE

Publication

EP 0262585 A3 19890802 (DE)

Application

EP 87113945 A 19870924

Priority

DE 3633018 A 19860929

Abstract (en)

[origin: EP0262585A2] The device comprises a tube (1) with a housing (2) arranged thereon and consisting of housing parts (8a, 8b), a bore (3) for the feeding of the liquid, a bore (4) for monitoring leak-tightness, an interior wall section (5) with recesses (6) for packing rings (28, 29), and a shoulder (7). A shaft (9) consists of lower and upper shaft sections (10, 12), the lower shaft section (10) possessing a longitudinal bore (11) with a first transverse bore (13) provided in a recess (13a) and a second transverse bore (14) in a nozzle head (15), in which nozzle head a nozzle device (16) is provided with a perforated nozzle (17). The upper shaft section (12) is mounted in ball bearings (19, 20) which are held at a distance by a sleeve (21). The ball bearing (19) is held in position by the shoulder (7) and a shaft extension (18), and the ball bearing (20) is held in position by a first retaining ring (23), which can be inserted into a first annular groove (22), and by a second retaining ring (25) which can be fitted into a second annular groove (24). An elongate groove (27) is provided at the shaft end (26). <IMAGE>

IPC 1-7

B01F 5/04

IPC 8 full level

B01F 5/04 (2006.01)

CPC (source: EP)

B01F 25/3131 (2022.01)

Citation (search report)

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- [Y] US 4214705 A 19800729 - ROBINSON MICHAEL [GB], et al
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